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TO THE

American Woollen Manufacturers

AND TO THE DIFFERENT

INSTITUTES OF INDUSTRY.

To the American Woolen Manufacturers, and to the
different Institutes of Industry.



Philadelphia, October 4th, 1870.

GENTLEMEN :

The Belgian Royal Government having charged me with the making of an extended report on the Woolen Industry in general, and that of America in special, and wishing to make the same as complete and detailed as possible, I herewith take the liberty of requesting your highly appreciated help.

For that purpose allow me to lay before your kind consideration some questions, going into the details of the woolen manufacture.

You will greatly oblige me by giving as circumstantial answers as possible to those questions which relate to your particular branch of business.

To make this report as authentic as possible, when you return me this information, please sign your name in full, give residence, date, etc., etc., and return me as soon as possible.

Respectfully, Yours,

ALPH. MÜLLENDER,

Belgian Consul-General at Philadelphia, and Director of the American Woolen Industry.

1—A. What is the opinion of the manufacturers of Cloths, and other woven woolen goods, exhibiting at Philadelphia, about the Exhibition itself?

Answer:

B. What is the general opinion about the *ensemble* of *our* exhibition, and about its principal features of manufacture?

Answer:

2. Are the woolen manufacturers of other countries better represented than ours? Estimate of each of them, and comparison with ours.

Answer:

3. Are there, among the products of foreign manufacturers, any that could be manufactured, advantageously (with success) in our district of Verviers? Samples.

Answer:

4—A. Why does England find such a large trade for her manufactures in America?

Answer:

B. What are these products and under what conditions are they offered?

Answer:

5—A. Do the United States manufacture goods of carded wool, filled or not filled, made of yarn called "Sayette?"

Answer:

B. Are those yarns called "Sayette" the same that are made at Verviers for export to Scotland, Germany, France, etc.?

Answer:

C. Do they import these yarns, or do they make them themselves ?

Answer :

6. Can the Sayette yarns of Verviers be imported in the United States of America in competition with others ?

Answer :

7. What are the principal numbers and kinds that are used ?

1st plain !

2d mixed !

3d twilled or more threads !

Answer :

8. Would there be means of feeding certain woolen treaded cloths and fancy goods with yarns from Verviers ?

Answer :

9. What are the duties on woolen yarns on entering the United States ?

Answer :

10. Give the names of the principal places for the sale of yarns.

Answer :

11. Are the yarns sold oiled or washed ? If they are sold oiled, with what kind of oil are they saturated ?

Answer :

12. What advantage does the woolen industry of the United States expect to draw from this Exposition ?

Answer :

13. What opinion have the American manufacturers of the woolen fabrics of Belgian manufacture ?

Answer :

14—A. How do they appreciate in particular the products of Verviers as regards new styles, quality, prices, etc., etc. ?

Answer :

B. What opinion have the American dealers and consumers on the same kind of goods ?

Answer :

15. What is the approximate price at which the Belgian and French cloths and fancy goods are delivered to the consumer ?

Answer :

16. What is the cause for the higher prices at which the Belgian woolen goods are sold in the United States ?

Answer :

17. What means should be used to develop in the United States a liking for the products of our manufacturing district ?

Answer :

18. What must be done at Verviers to conform to the taste and wants of the Americans in order to procure a larger sale in their country ?

Answer :

19—A. What are the differences in the means of manufacturing in America and those in use at Verviers ?

Answer :

B. In what respect is the woolen industry of the United States superior to ours ?

Answer :

20—A. What is the opinion of the Americans about the products of each of the following nations : United States of America, England, France, Germany, Italy. Belgium, etc. Go into the details as much as possible.

Answer :

B. Are the woolen industries of these different countries better represented in Philadelphia than ours ?

Answer :

21. In what respect are the woven goods of these nations superior to those of our district ?

Answer :

22. To what is it attributable that the foreigner often produces better, cheaper, and generally faster !

Answer :

23. What do the delegates think of the imitation and counterfeiting of Belgian goods by foreign manufacturers !

Answer :

24—A. Do the Verviers styles differ remarkably from renowned foreign ones !

Answer :

B. On which side is the advantage and what does it consist of ?

Answer :

25—A. Could America try successfully the exportation of its
woolens into Europe ?

Answer :

B. What are the causes to hinder her from doing so ?

Answer :

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26. What do the American cloth dealers think of the Exposi-
tion to be held at Paris in 1878 ?

Answer :

27. What rank does the Belgian machinery department hold at
the Philadelphia Exhibition ?

Answer :

28. What machines employed in America, and exhibited, could be introduced in the manufactories of our city ? Please give the details, designs and descriptions.

Answer :

29. What kind of wools are generally employed by the manufacturers of the different States ?

Answer :

30. How is the wool cleansed of the grease ?

Answer :

31. Is the grease used for anything ?

Answer :

32. What are the improvements in washing and dyeing wool on exhibition !

Answer :

33. How are the chemicals applied in America !

Answer :

34. Is the mechanical burring still in use !

Answer:

35. What are the machines on exhibition for the chemical process !

Answer :

36. Are the American carding and spinning inferior, equal, or superior to those of the district of Verviers ?

Answer :

37. What are the machines on exhibition for carding and spinning ? Designs and descriptions.

Answer :

38—A. Which cities are superior to Verviers for spinning carded wool ?

Answer :

B. What does the superiority consist of ?

Answer :

39. What are the twisting machines exhibited ? Designs
and descriptions.

Answer :

40. What reel and chain winding machines are exhibited ?
Designs and descriptions.

Answer :

41. What are the mechanical harnesses (looms) exhibited ?
Designs and descriptions.

Answer :

42. What mechanical spinning machines are exhibited ? De-
signs and descriptions.

Answer :

43. What advantages do the different systems of looms present ?

Answer :

44. In what does the superiority of the American machines consist ?

Answer :

45. What new machines are there in the United States of America which could be introduced in our industry ?
Designs and descriptions.

Answer :

46. Are the looms by hand power of any extended use in the United States ?

Answer :

47. What opinion have the delegates of the different States of the mechanical looms in general, as regards the kind in use at Verviers ?

Answer :

48. Is there among those exhibited at Philadelphia, one especially suitable for the fancy cassimeres of Verviers ?

Answer :

49. What are the accessory contrivances for weaving on exhibition ? Designs and descriptions.

Answer :

50. Which are those that could be usefully employed at Verviers ?

Answer :

51. How and on what basis are the American weavers paid ?

Answer :

52. What are the treading machines on exhibition ? De-
signs and descriptions.

Answer :

53. What are the gig mills and shearing machines on exhibition ?
Designs and descriptions.

Answer :

54. What role does the metallic teasels play in the finishing of
cloth ?

Answer :

55. What is the opinion of the American manufacturers as regards the industry of woolen yarns and woven goods exhibited at Philadelphia ?

Answer :

56. What use is made in America of the waste and offal of the manufactories ?

Answer :

57. Is it possible to receive a general statistic of the payment of the workmen ?

Answer :

58. Are the fine wools (for knitting) extensively used in the United States ?

Answer :

59. Whence are the rags and other poor stock procured from ?

Answer :

60. What kind of work is particularly attended to on the piece goods in the American woolen cloth manufactories ?

Answer :

61. Are there many foreign workmen employed in the American factories ?

Answer :

62. Which are the best paid workmen in the spinning and cloth manufactories ? Table of wages.

Answer :

63. What are the conditions of the workmen employed in the woolen manufactories of the United States ?

Answer :

64. What advantage have they over those of our factories ?

Answer :

65. On what terms do the American workmen stand with their employers ?

Answer :

66—A. Are there frequent strikes ?

Answer :

B. What are the causes ?

Answer :

67. How are the differences between employers and workmen adjusted ?

Answer :

68. What are the morals and habits of the American workmen ?

Answer :

69. What are their particular qualities and their faults in a moral and industrial view ?

Answer :

70. Are there in America popular banks of credit? If so,
please report their statutes.

Answer :

71—A. What is the nature and the importance of the working-
men's association in the United States ?

Answer :

B What have the industrial and professional schools of
America particular about them ?

Answer :

72. What is the condition of the women and children employed
in the factories ?

Answer :

73. Does there exist a higher feeling (spirit) for the family among the American workmen than among ours ?

Answer :

74. How do the different workingmen's institutions work, and what are the advantages that the workmen derive from them ? Report documents.

Answer :

75. Which of these institutions could be introduced with us ?

Answer :

76. How is the instruction distributed among the working class of the United States ?

Answer :

77. What are the periodical publications, that treat on the manufacture of woolen yarns and cloth, which have the greatest circulation in the United States ?

Answer :

78. What sanitary measures have been adopted in the work shops ?

Answer :

79—A. Information about the different kinds of show cases for cloths and fancy goods.

Answer :

B. Which one is the most practical ? Designs.

Answer :

October, 1876.

Mr Alph. Millender,

1014 North 5th Street,

Philadelphia.

Dear Sir:

I herewith return you, etc.

(Name in full.)

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